

REPLACEMENT SHEET

**Abstract**

Driver for Pockels cells and using this Pockels cell within laser systems

The driver i.e. the electrical control of the Pockels cell is modified from the standardly known H-configuration using the switches S1, S2A; S1A, S2A by adding at least one more switch (S2B; S1B; S2B). This switch can either replace the usually used recharging resistors (R2) or can be placed to these in parallel. It is also possible to use an arrangement using 4 switches (S1A, S2A, S1B, S2B) and no recharging resistors at all. Using such a driver with a Pockels cell pulses can be selected in laser systems more efficiently. Pulse sequences with well defined widths and spacing can be produced for certain application.

~~(Fig.4 is used for this abstract)~~